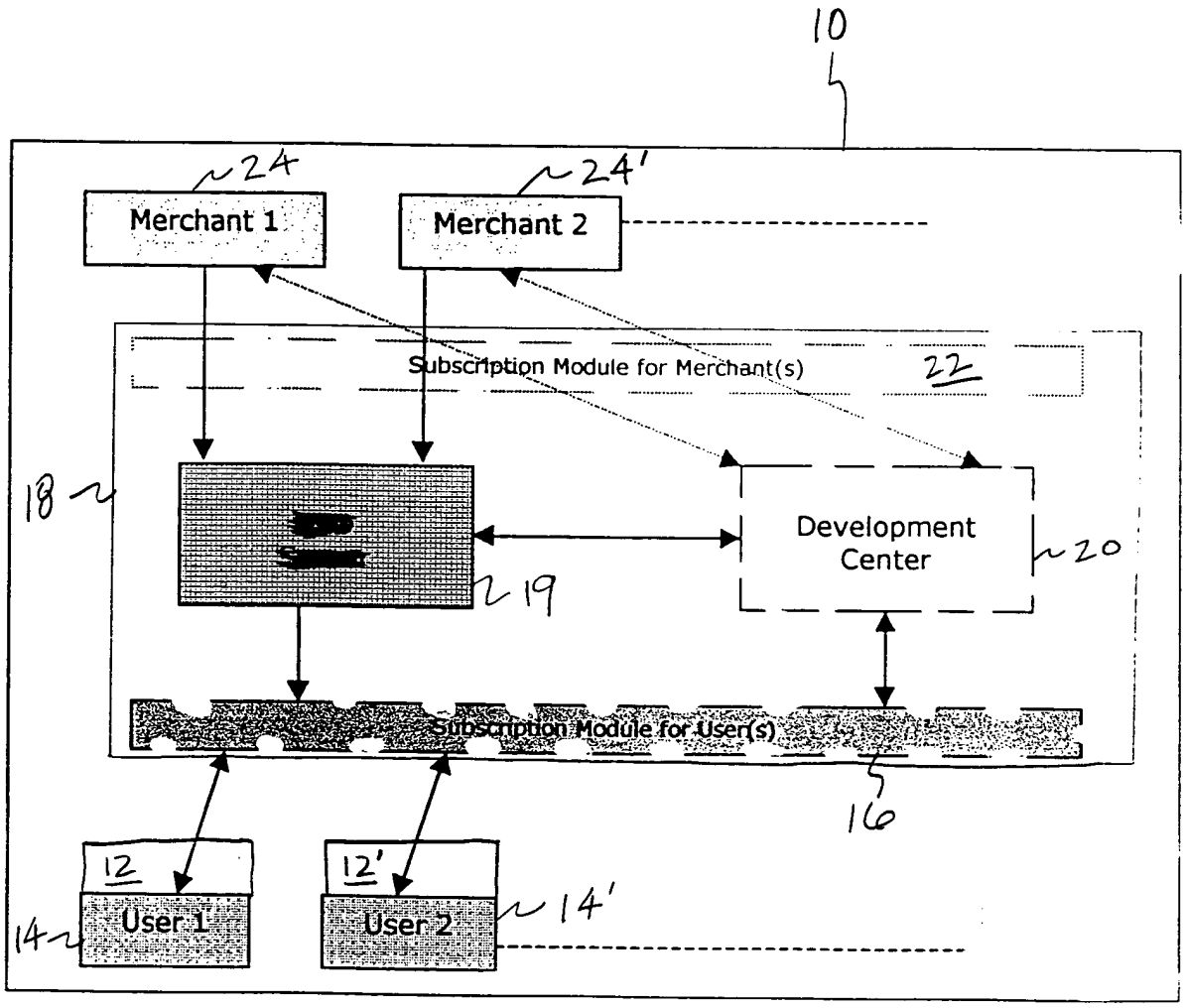

10
24
Merchant 1
24'
Merchant 2
Subscription Module for Merchant(s)
22
18
19
Development Center
20
Subscription Module for User(s)
16
12
12'
User 1
User 2
14
14'

Fig. 1

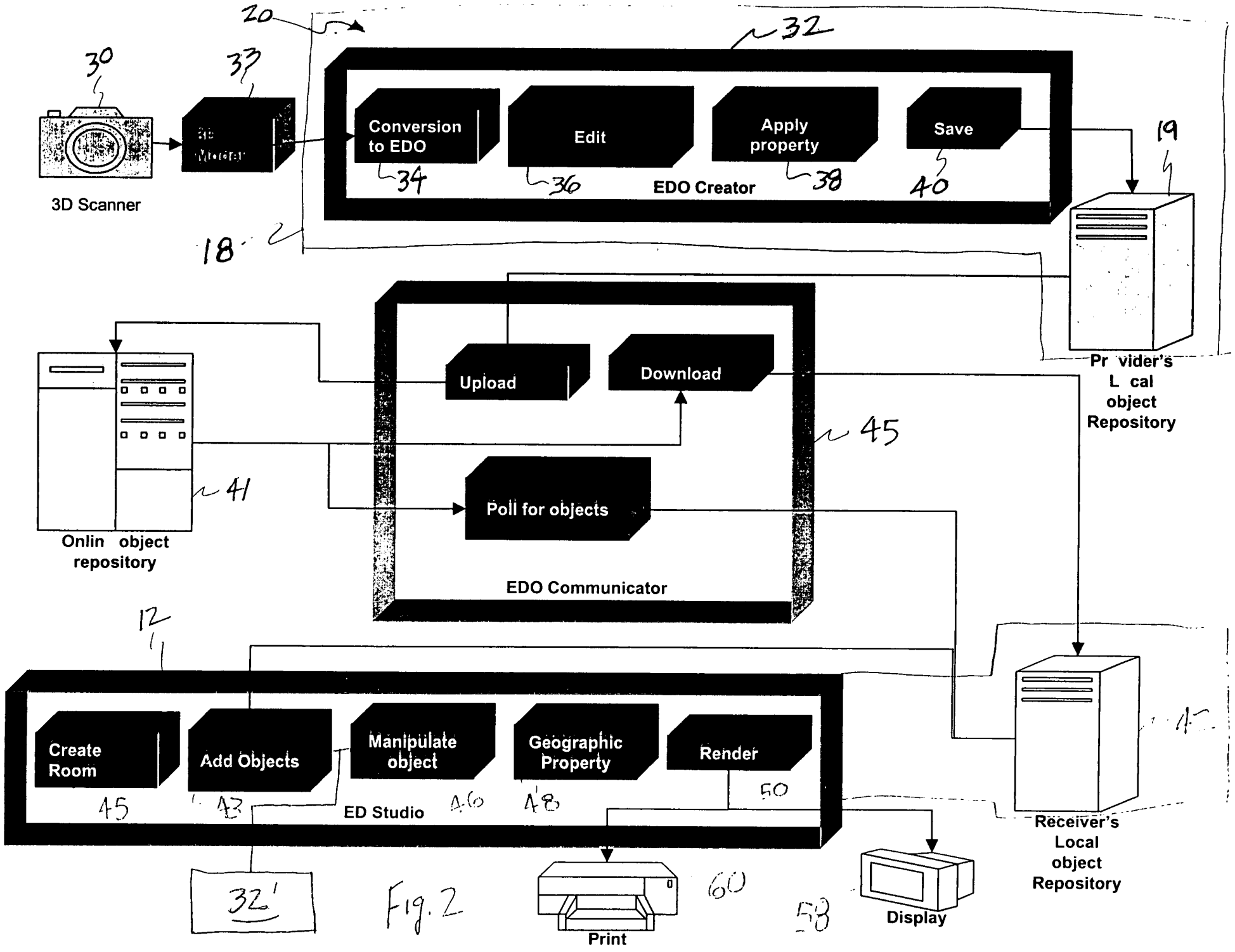
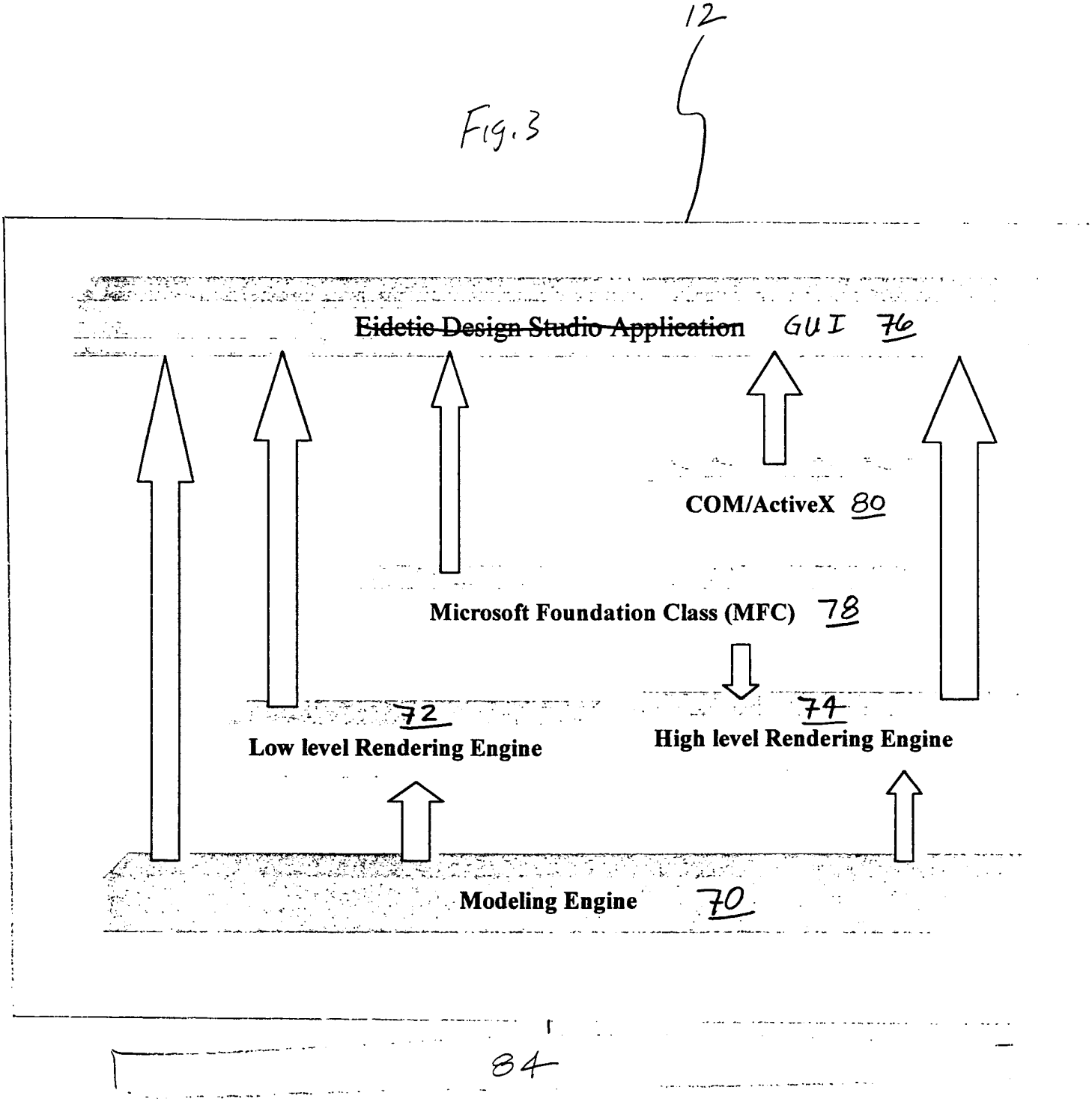

20
32
30
33
Conversion to EDO
Edit
Apply property
Save
34
36
EDO Creator
38
40
19
3D Scanner
18
Upload
Download
45
Pr vider's
L cal
object
Repository
41
Poll for objects
Onlin object
repository
EDO Communicator
12
Create Room
Add Objects
Manipulate object
Geographic Property
Render
45
43
ED Studio
46
48
50
Receiver's
Local
object
Repository
32'
60
58
Print
Display

Fig. 2

Fig. 3


12
~~Eidetic Design Studio Application~~ GUI 76
COM/ActiveX 80
Microsoft Foundation Class (MFC) 78
72
Low level Rendering Engine
74
High level Rendering Engine
Modeling Engine 70
84

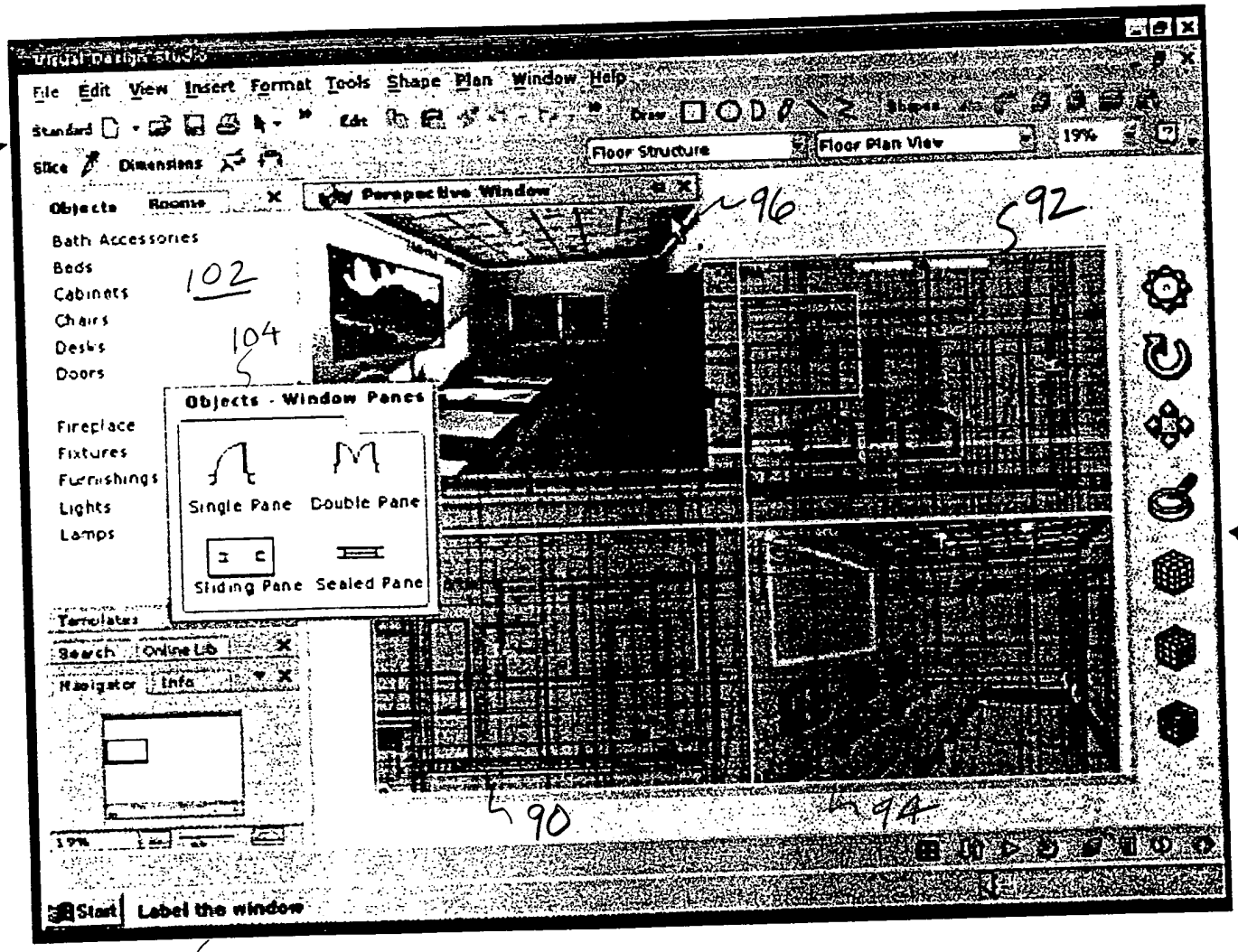
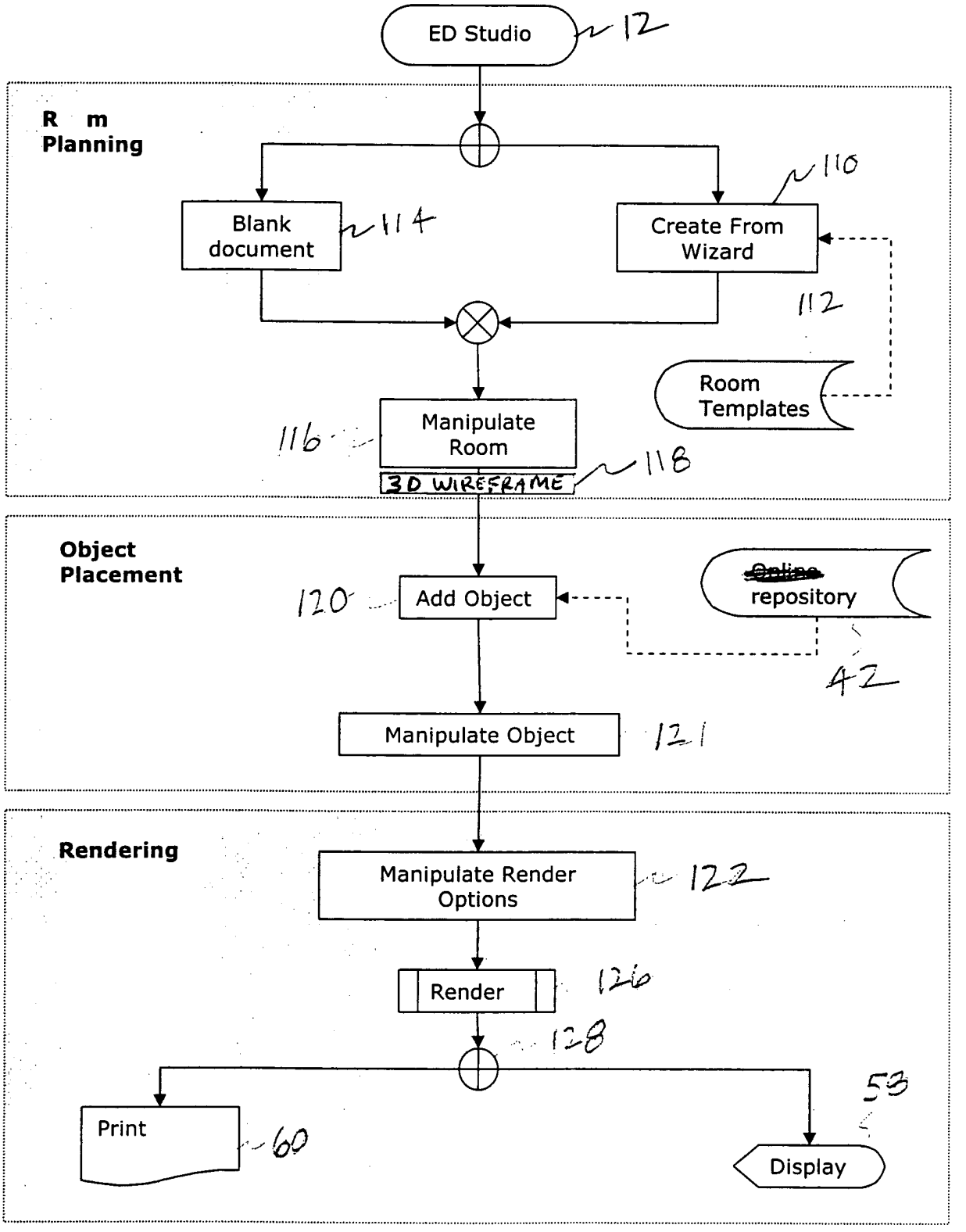

File Edit View Insert Format Tools Shape Plan Window Help
Standard
Slice
Dimensions
Floor Structure
Floor Plan View
19%
Objects
Rooms
Perspective Window
Bath Accessories
Beds
Cabinets
Chairs
Desks
Doors
Fireplace
Fixtures
Furnishings
Lights
Lamps
Objects - Window Panes
Single Pane
Double Pane
Sliding Pane
Sealed Pane
Templates
Search
Online Lib
Navigator
Info
Start
Label the window
98
96
92
102
104
100
90
94
76

Fig. 4



LEGEND	
⊕	OR
⊗	Combine
Render	Predefined process
----→	Read
Render Properties	Data input

Fig. 5

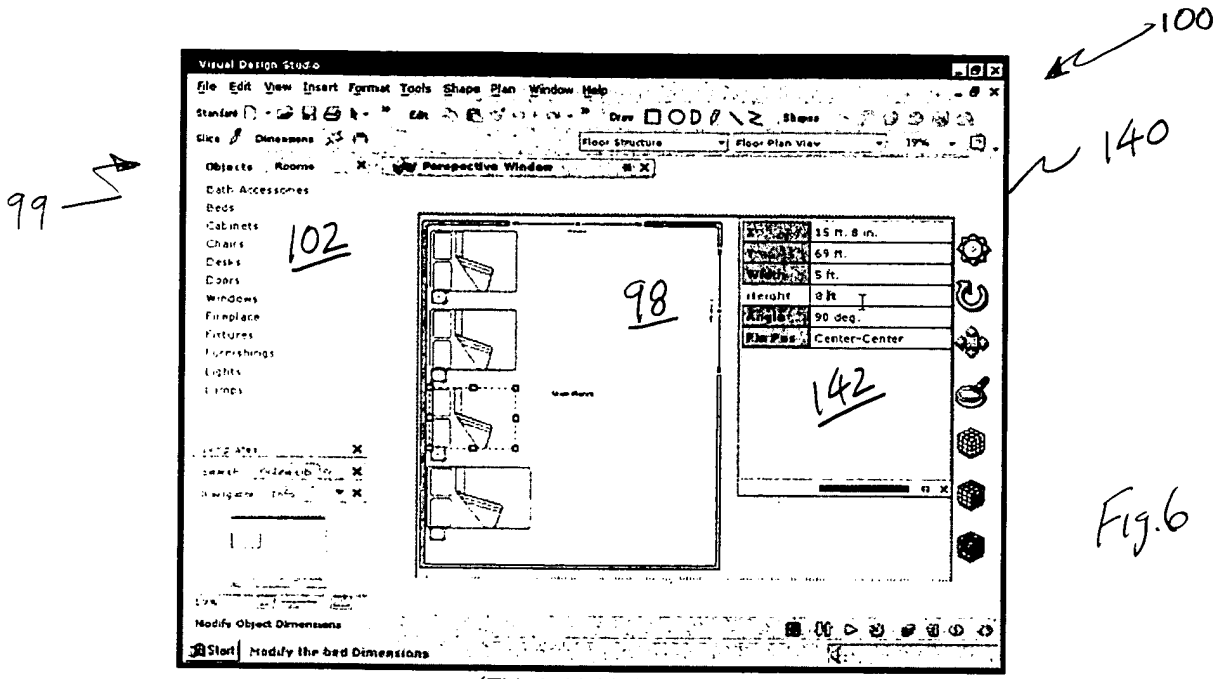
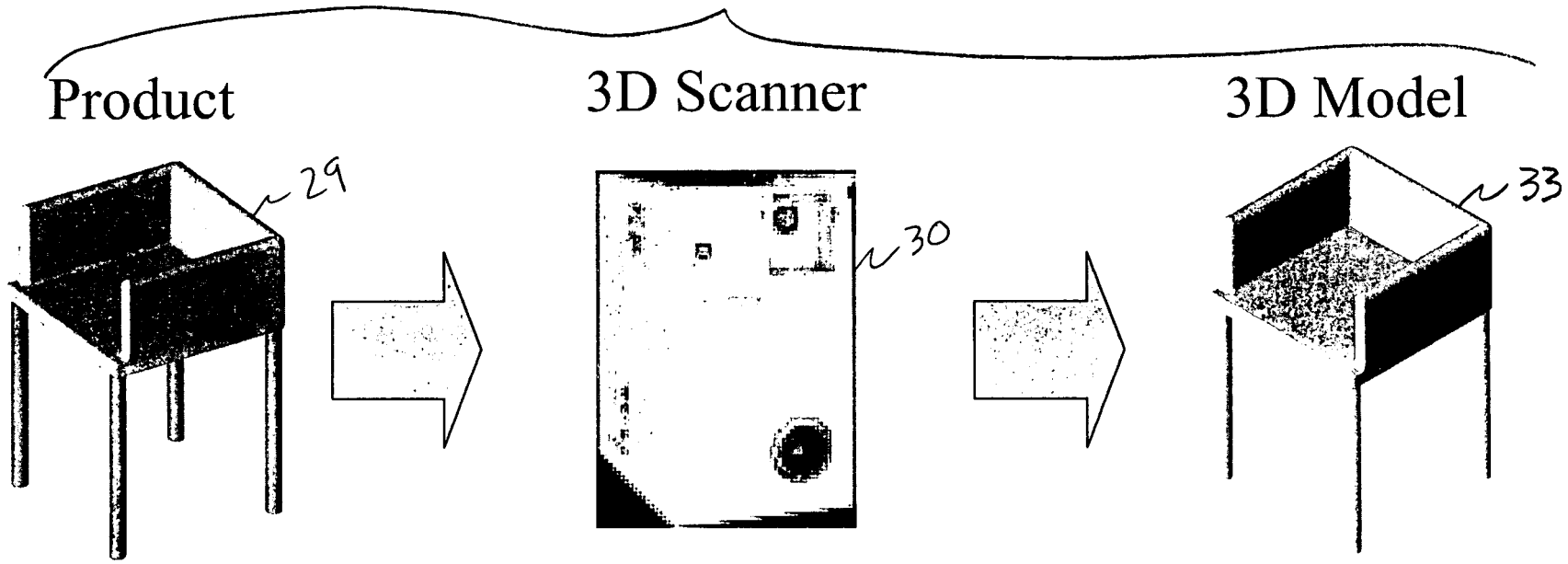


Fig.6

(This is highly indicative and not the final GUI design)

Fig. 7



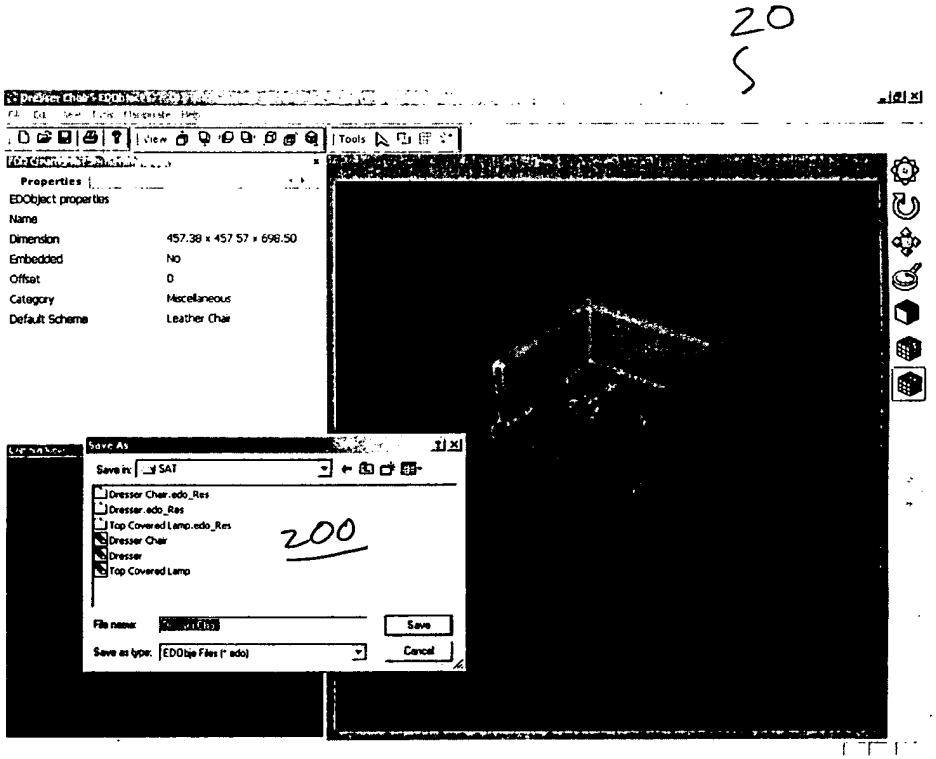

20
S
Properties
EDObject properties
Name
Dimension
457.38 x 457.57 x 698.50
Embedded
No
Offset
0
Category
Miscellaneous
Default Scheme
Leather Chair
Tools
Save As
Save in:
SAT
Dresser Chair.edo_Res
Dresser.edo_Res
Top Covered Lamp.edo_Res
Dresser Chair
Dresser
Top Covered Lamp
200
File name:
Save
Save as type:
EDObje Files (*.edo)
Cancel

Fig. 8

Fig. 9

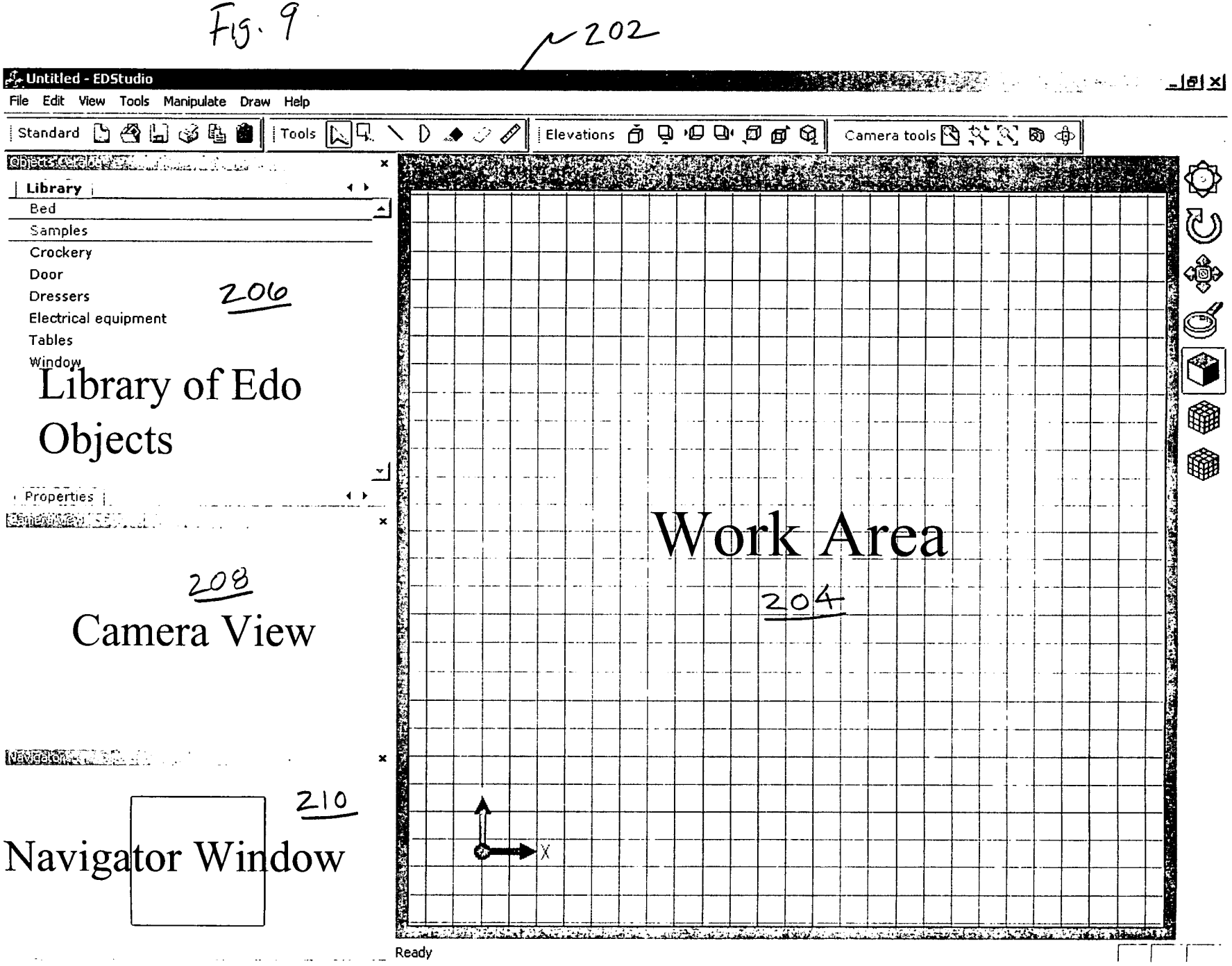

202
Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Bed
Samples
Crockery
Door
Dressers
Electrical equipment
Tables
Window
206
Library of Edo Objects
Properties
208
Camera View
Navigator
210
Navigator Window
Work Area
204
X
Ready

Fig. 10

202

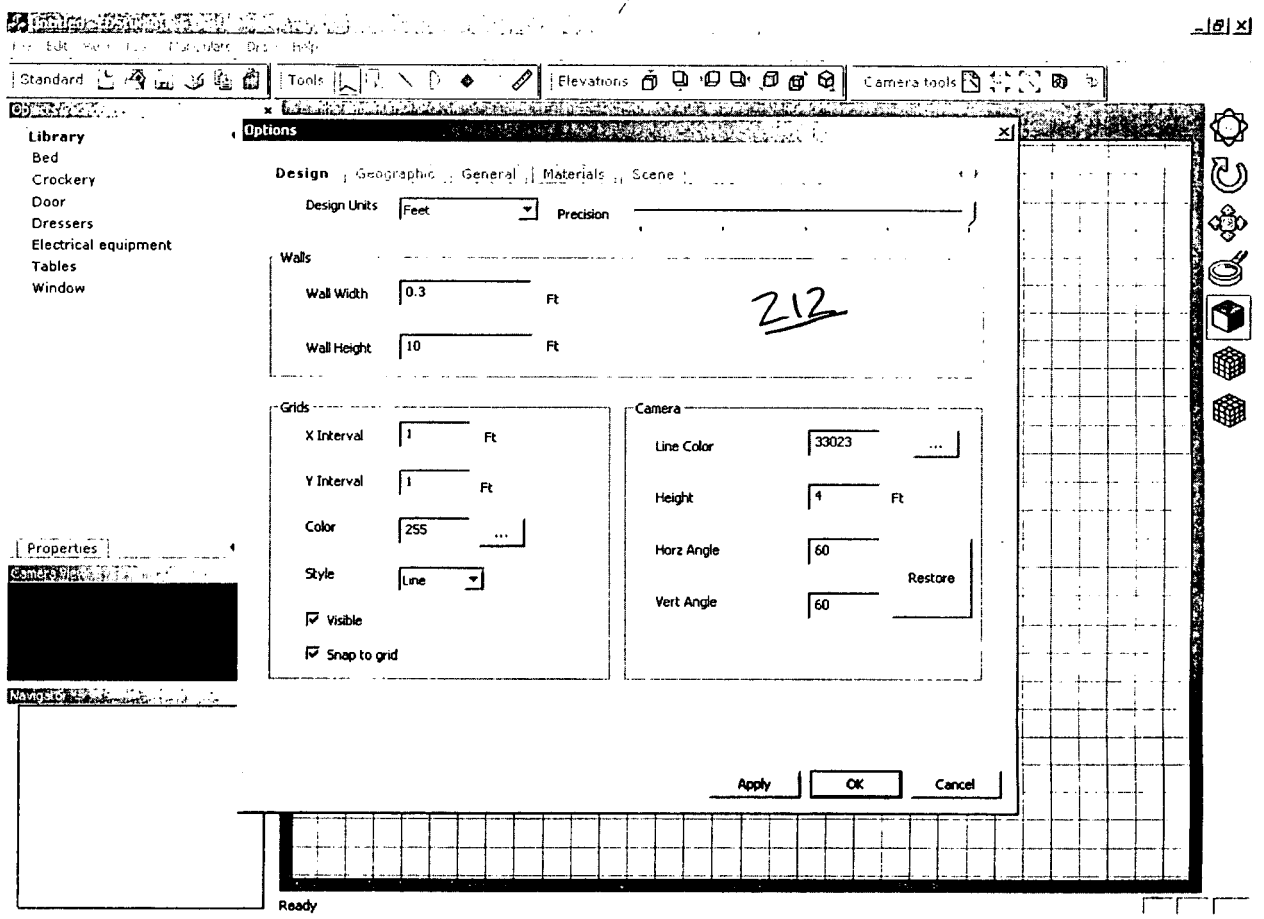
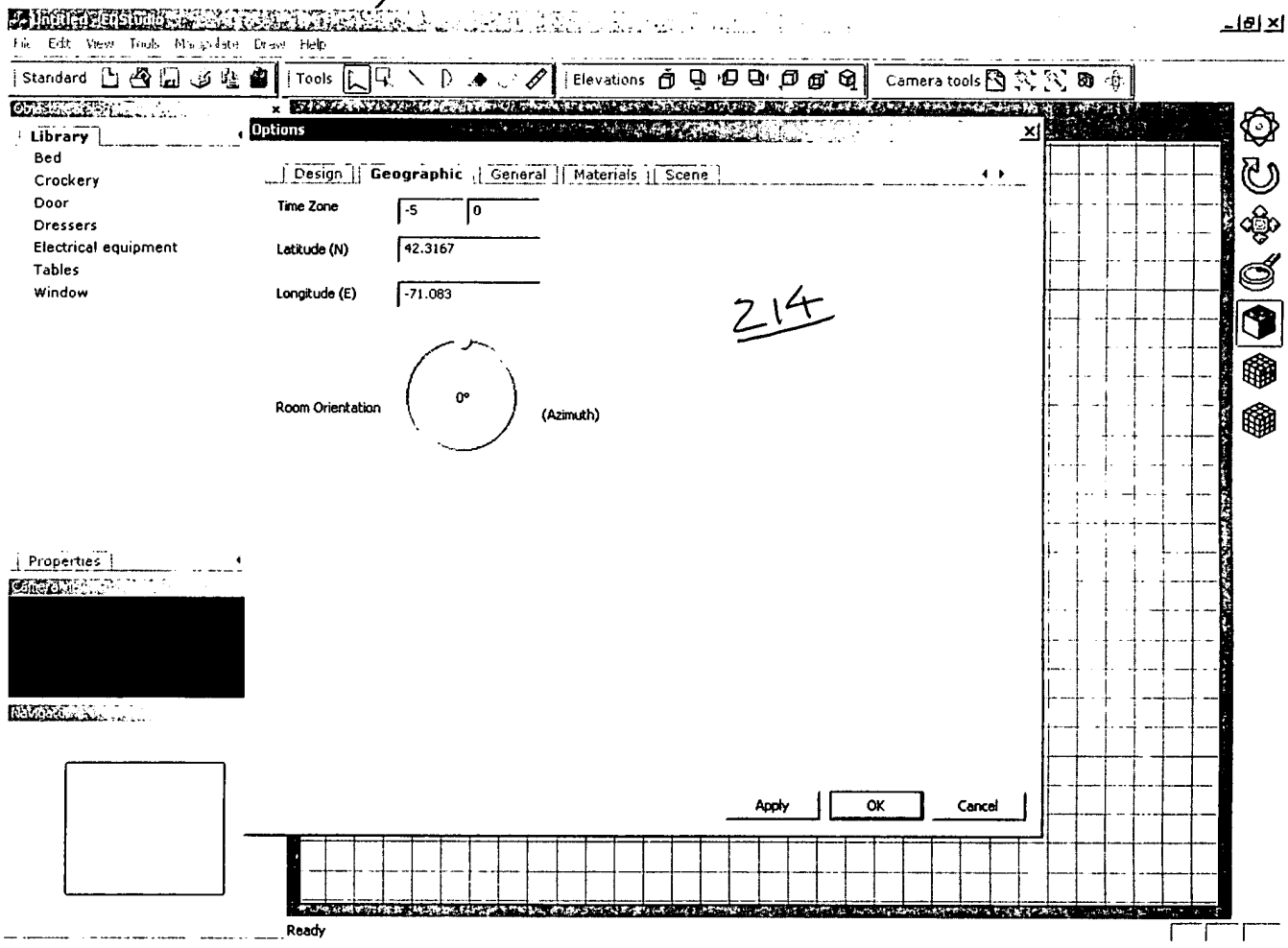

Standard
Tools
Elevations
Camera tools
Library
Bed
Crockery
Door
Dressers
Electrical equipment
Tables
Window
Options
Design
Geographic
General
Materials
Scene
Design Units
Feet
Precision
Walls
Wall Width
0.3
Ft
Wall Height
10
Ft
212
Grids
X Interval
1
Ft
Y Interval
1
Ft
Color
255
Style
Line
Visible
Snap to grid
Camera
Line Color
33023
Height
4
Ft
Horz Angle
60
Vert Angle
60
Restore
Apply
OK
Cancel
Properties
Ready

Fig. 11


202
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Bed
Crockery
Door
Dressers
Electrical equipment
Tables
Window
Options
Design
Geographic
General
Materials
Scene
Time Zone
-5
0
Latitude (N)
42.3167
Longitude (E)
-71.083
214
Room Orientation
0°
(Azimuth)
Properties
Apply
OK
Cancel
Ready

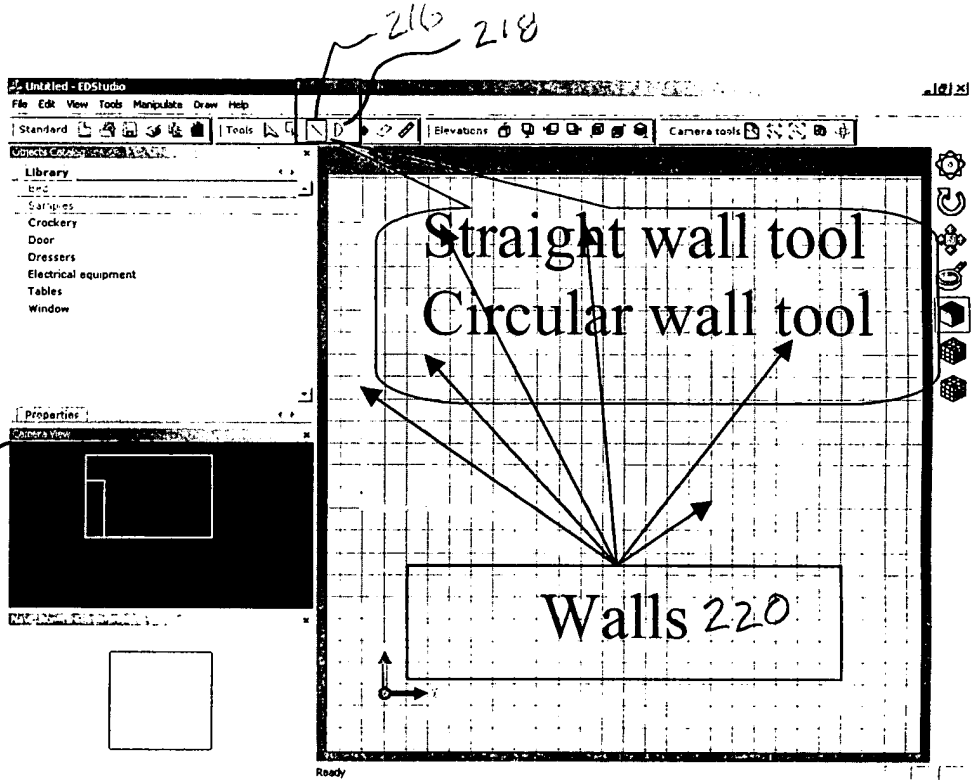

216
218
Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Crockery
Door
Dressers
Electrical equipment
Tables
Window
Properties
Camera View
208
Straight wall tool
Circular wall tool
Walls 220
Ready

Fig. 12

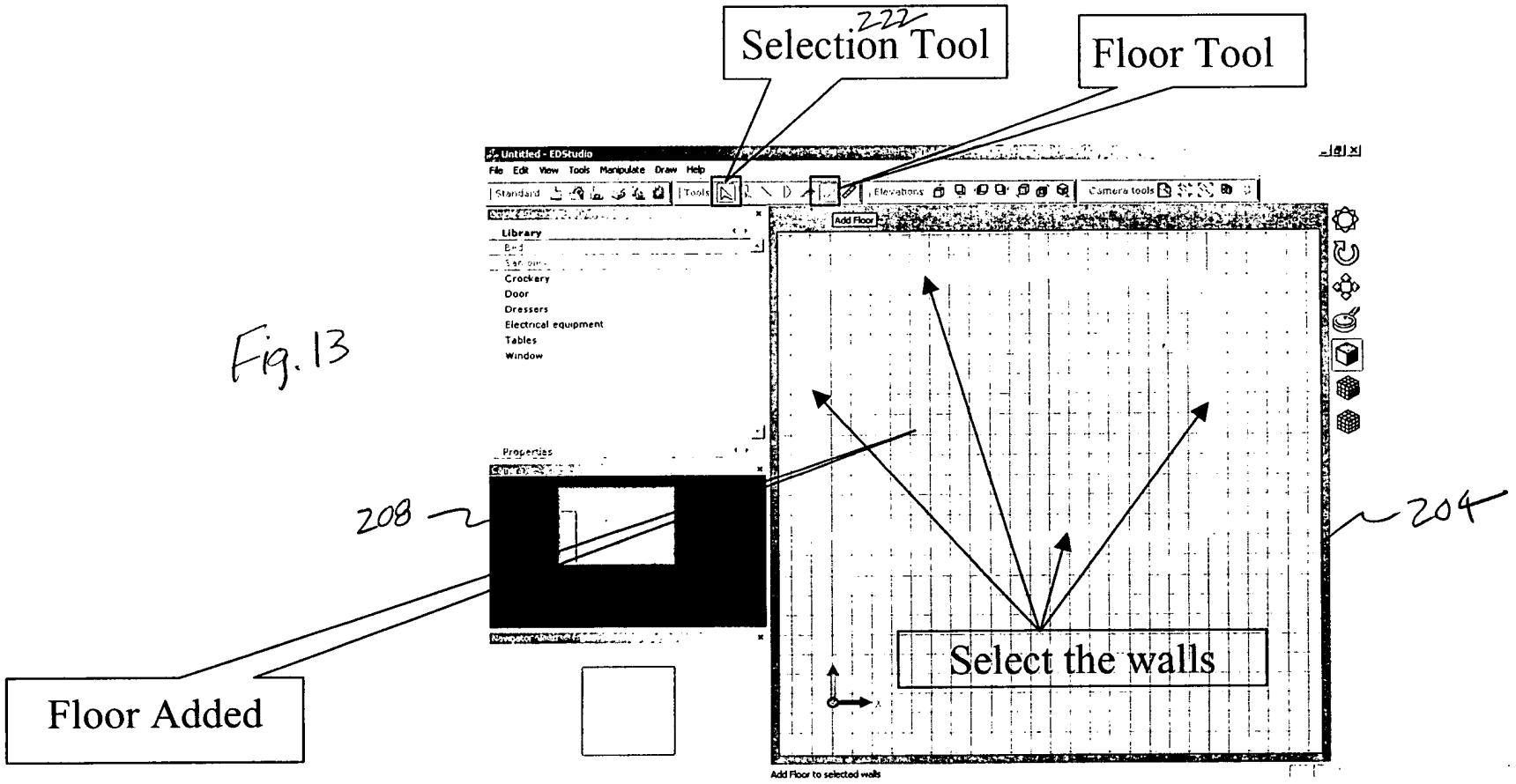
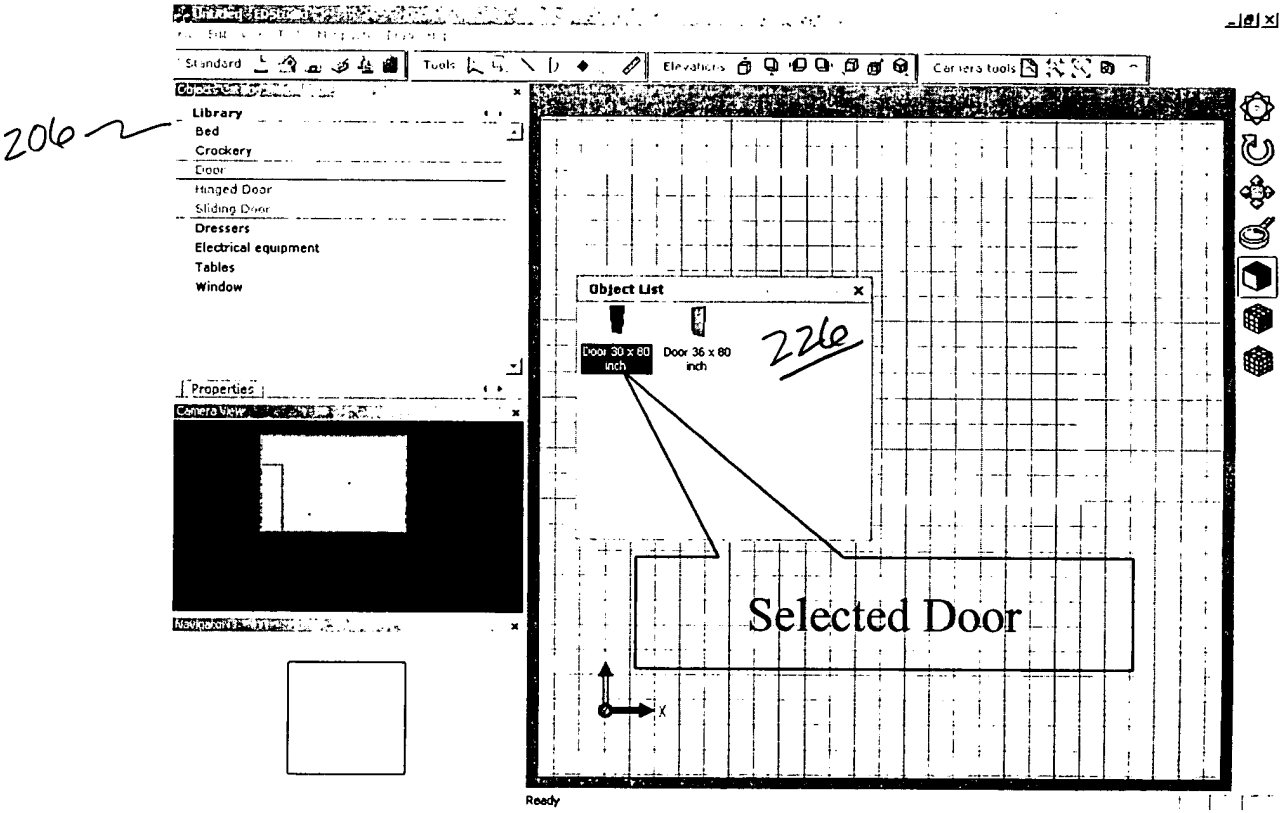
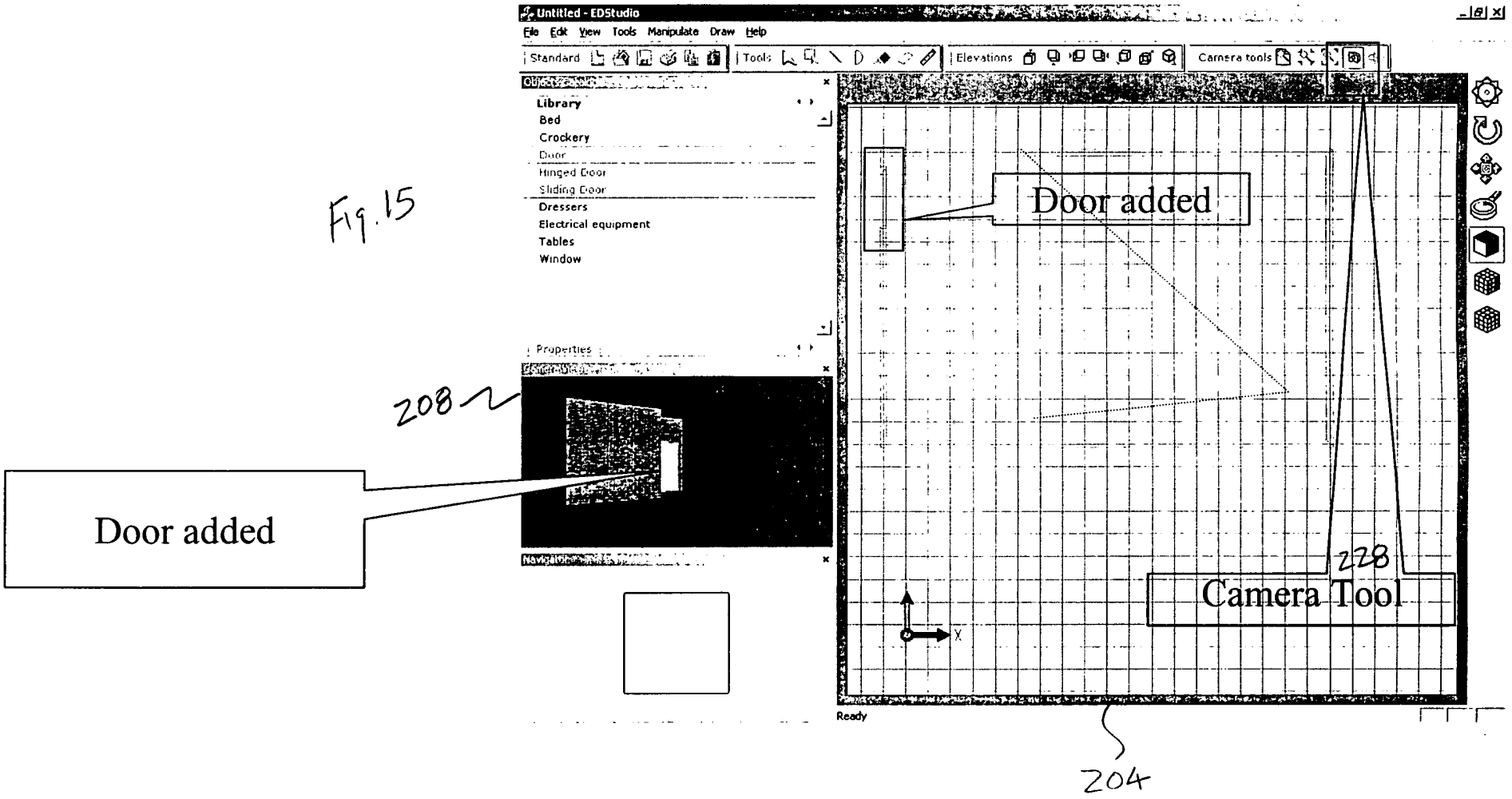

Selection Tool
222
Floor Tool
Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Add Floor
Library
Crockery
Door
Dressers
Electrical equipment
Tables
Window
Properties
208
204
Floor Added
Select the walls
Add Floor to selected walls

Fig. 13


206
Standard
Tools
Elevations
Camera tools
Library
Bed
Crockery
Door
Hinged Door
Sliding Door
Dressers
Electrical equipment
Tables
Window
Properties
Camera View
Object List
Door 30 x 80 inch
Door 36 x 80 inch
226
Selected Door
X
Ready

Fig, 14

Fig. 15


Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Bed
Crockery
Door
Hinged Door
Sliding Door
Dressers
Electrical equipment
Tables
Window
Properties
208
Door added
Door added
228
Camera Tool
Ready
204

Elevation tools 230

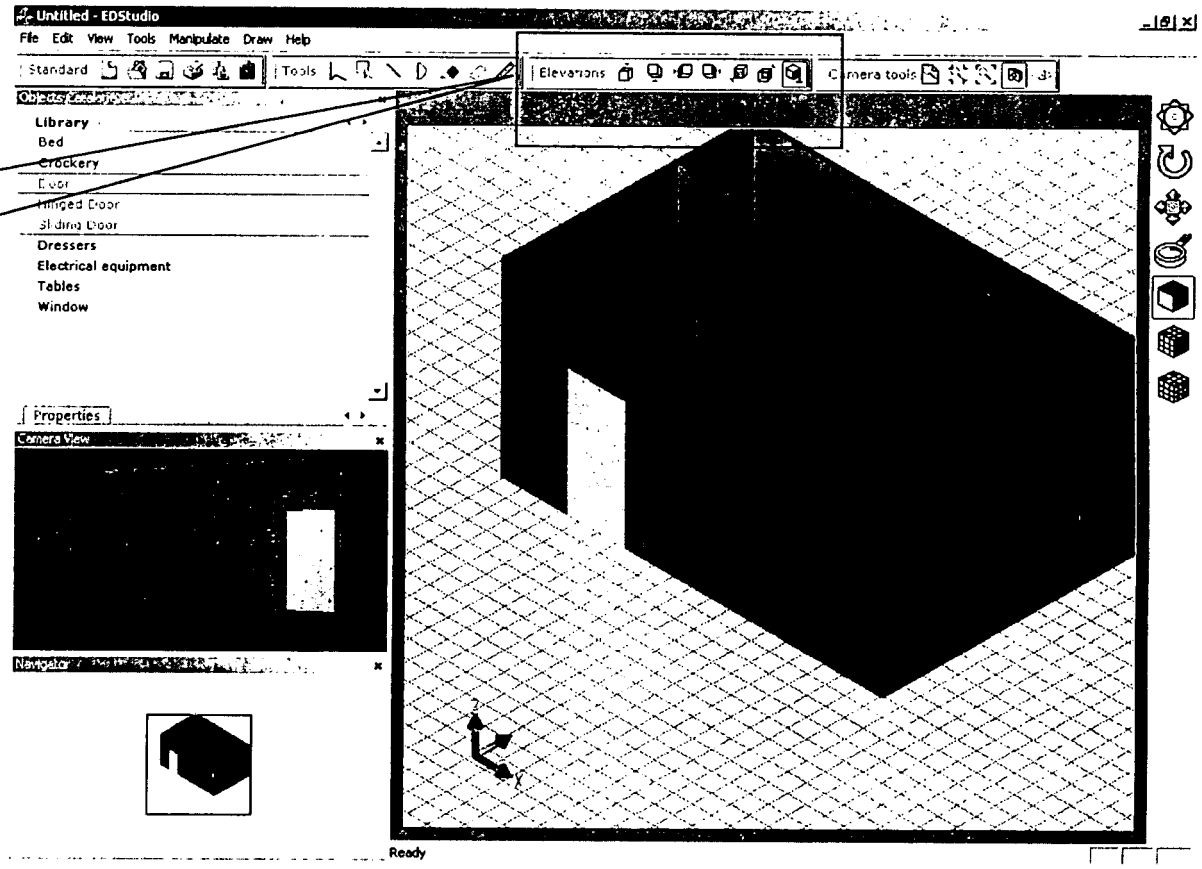


Fig. 16

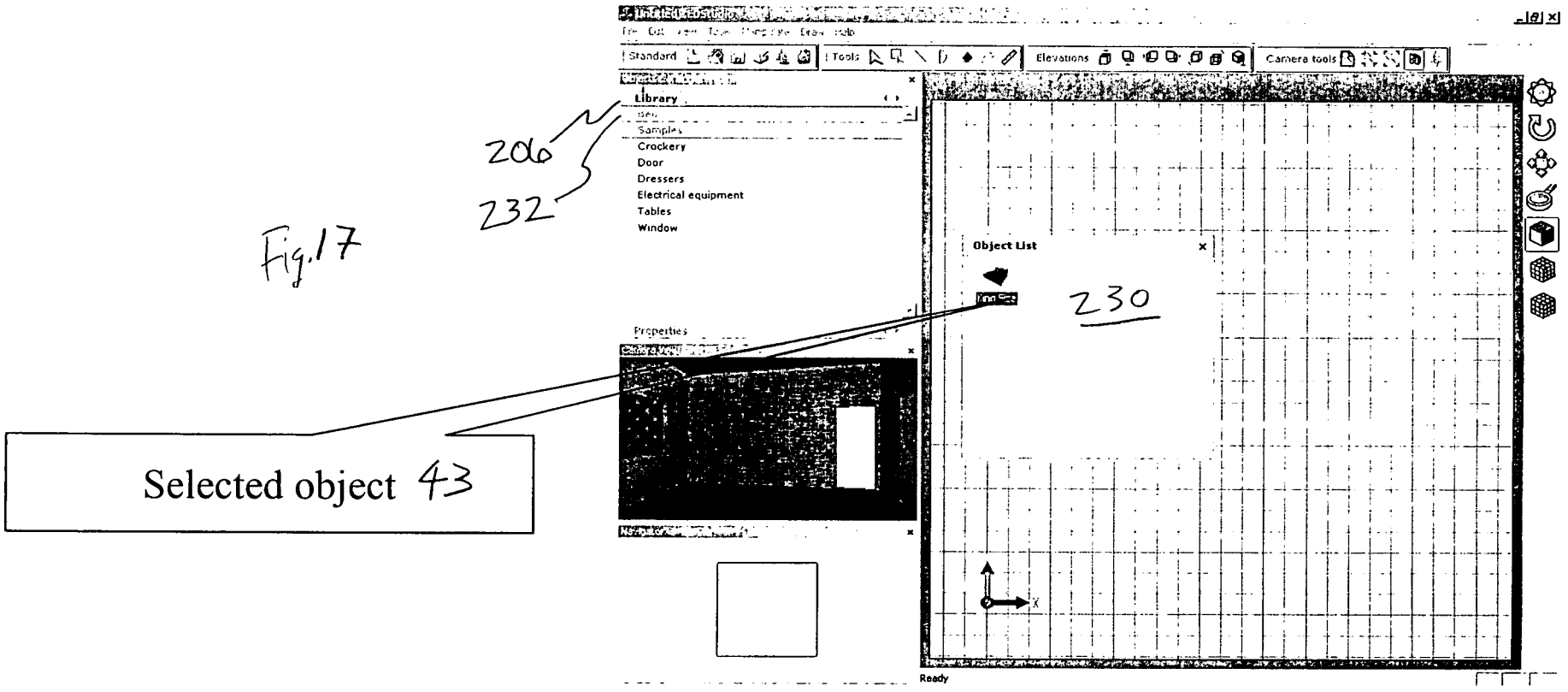

Standard
Tools
Elevations
Camera tools
Library
Samples
Crockery
Door
Dressers
Electrical equipment
Tables
Window
206
232
Object List
230
Properties
Selected object 43
Ready

Fig.17

Fig. 18

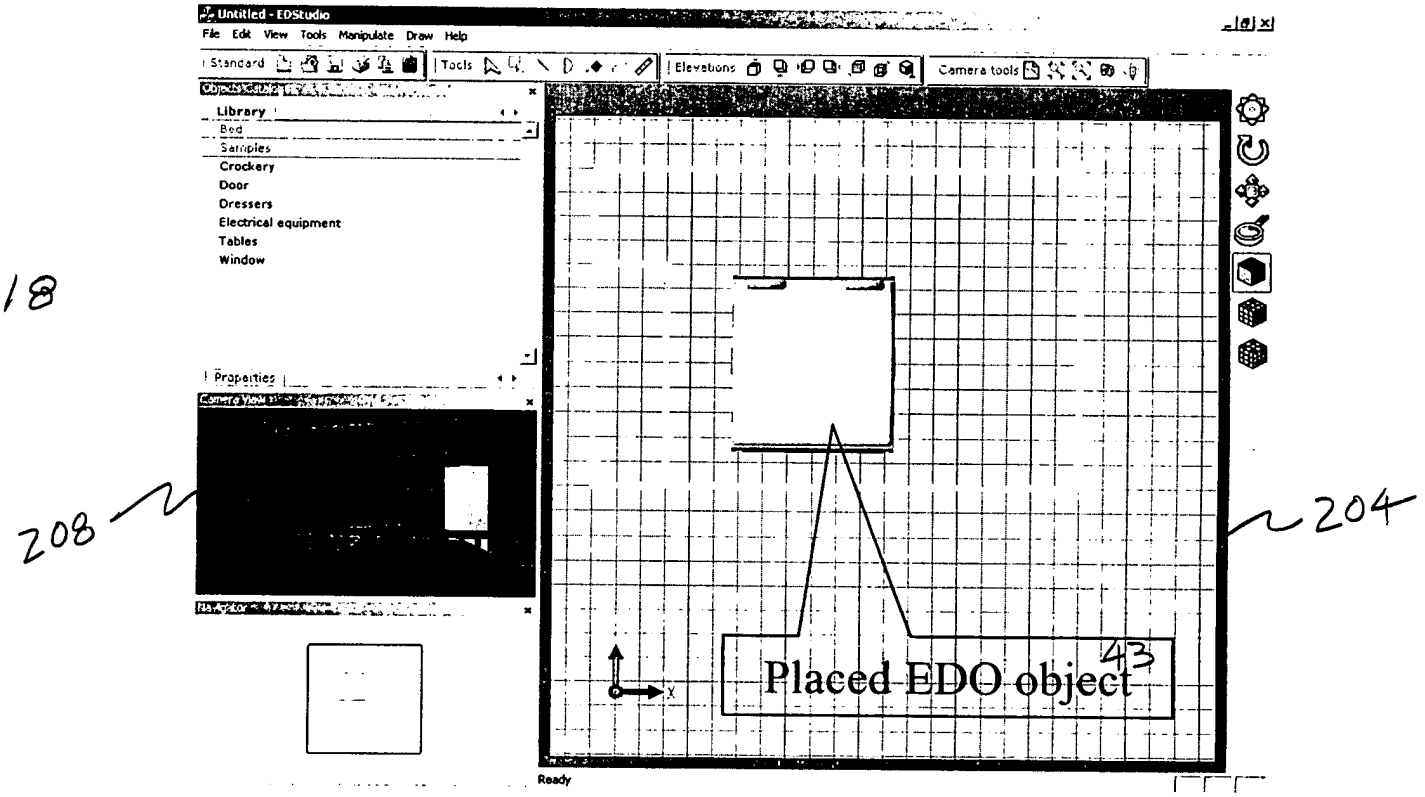

Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Bed
Samples
Crockery
Door
Dressers
Electrical equipment
Tables
Window
Properties
208
204
Placed EDO object 43
X
Ready

Fig 19

The EDO object has been moved and its orientation has been changed

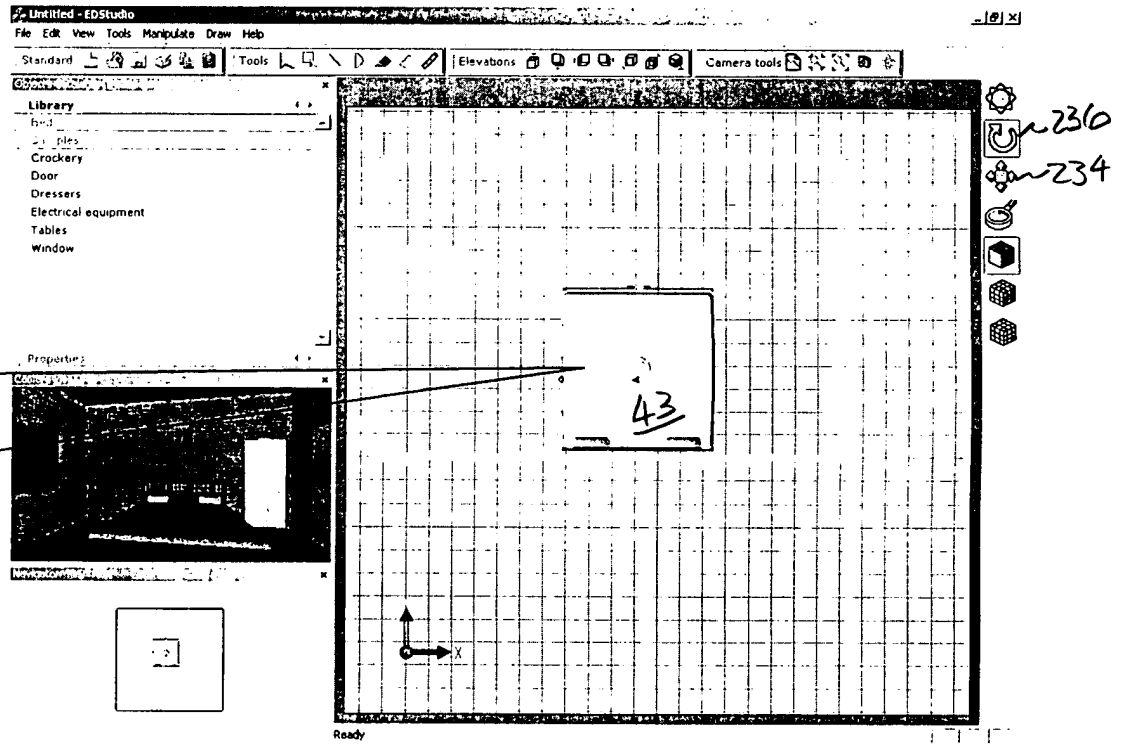


Fig. 20

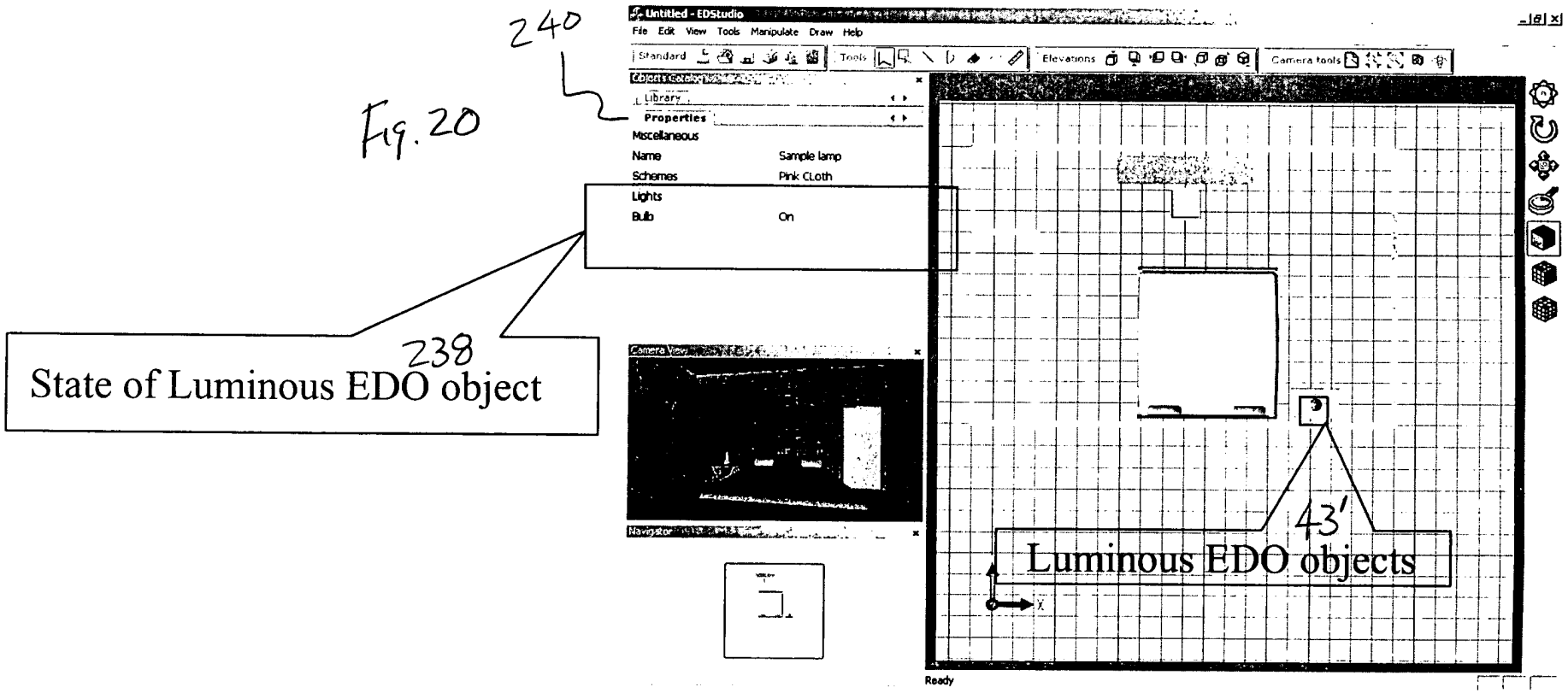
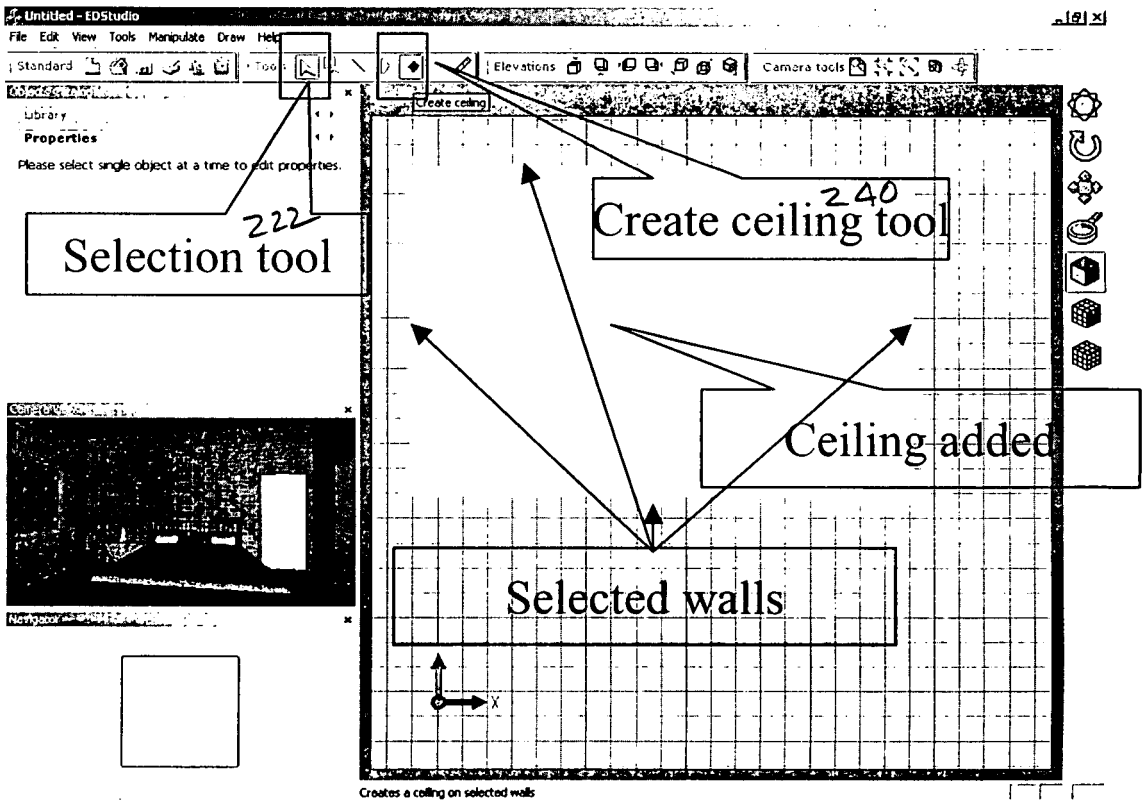

240
Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Properties
Miscellaneous
Name Sample lamp
Schemes Pink CLoth
Lights
Bulb On
238
State of Luminous EDO object
Camera View
Navigator
43'
Luminous EDO objects
Ready

Fig. 21


Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Elevations
Camera tools
Create ceiling
Library
Properties
Please select single object at a time to edit properties.
222
Selection tool
240
Create ceiling tool
Ceiling added
Selected walls
Creates a ceiling on selected walls

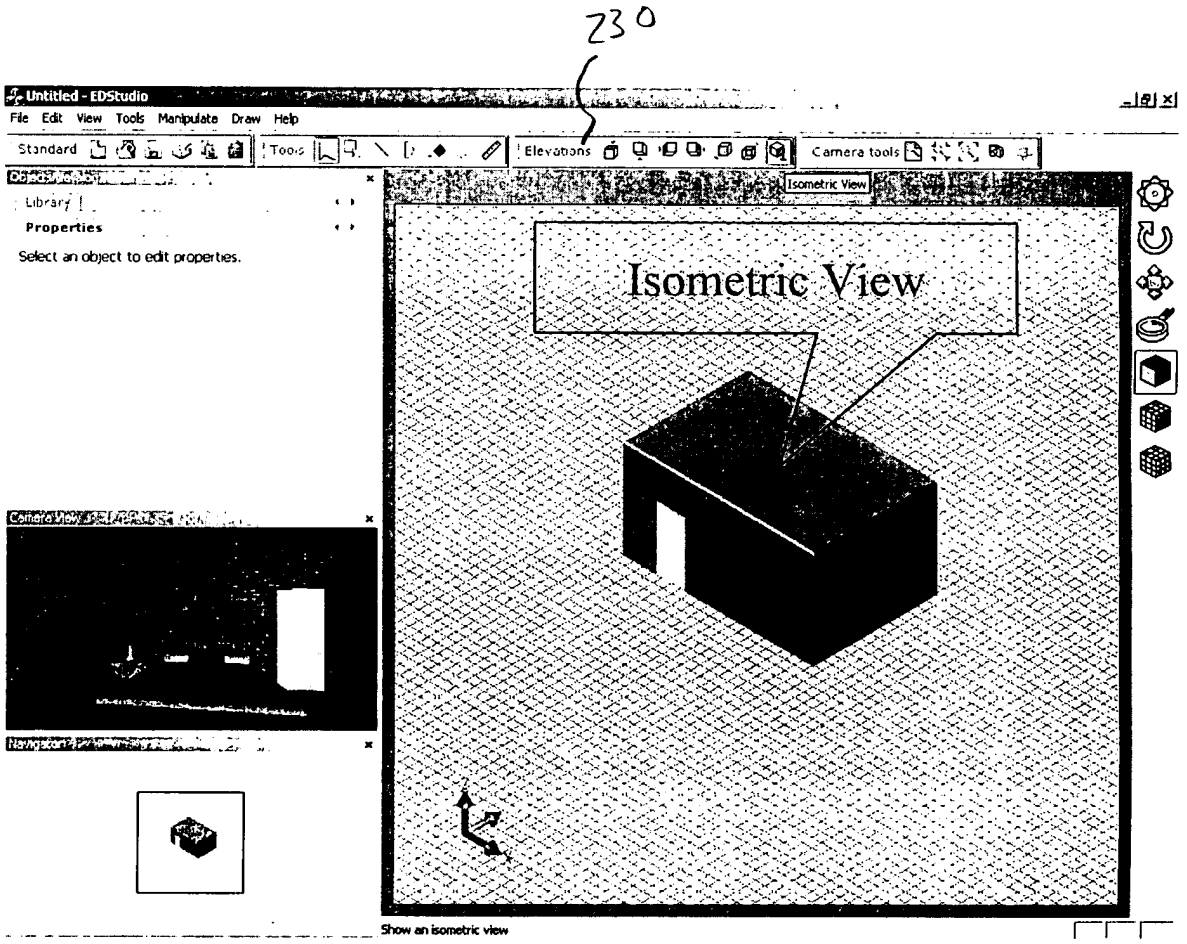

230
Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Library
Properties
Select an object to edit properties.
Isometric View
Isometric View
Show an isometric view

Fig. 22

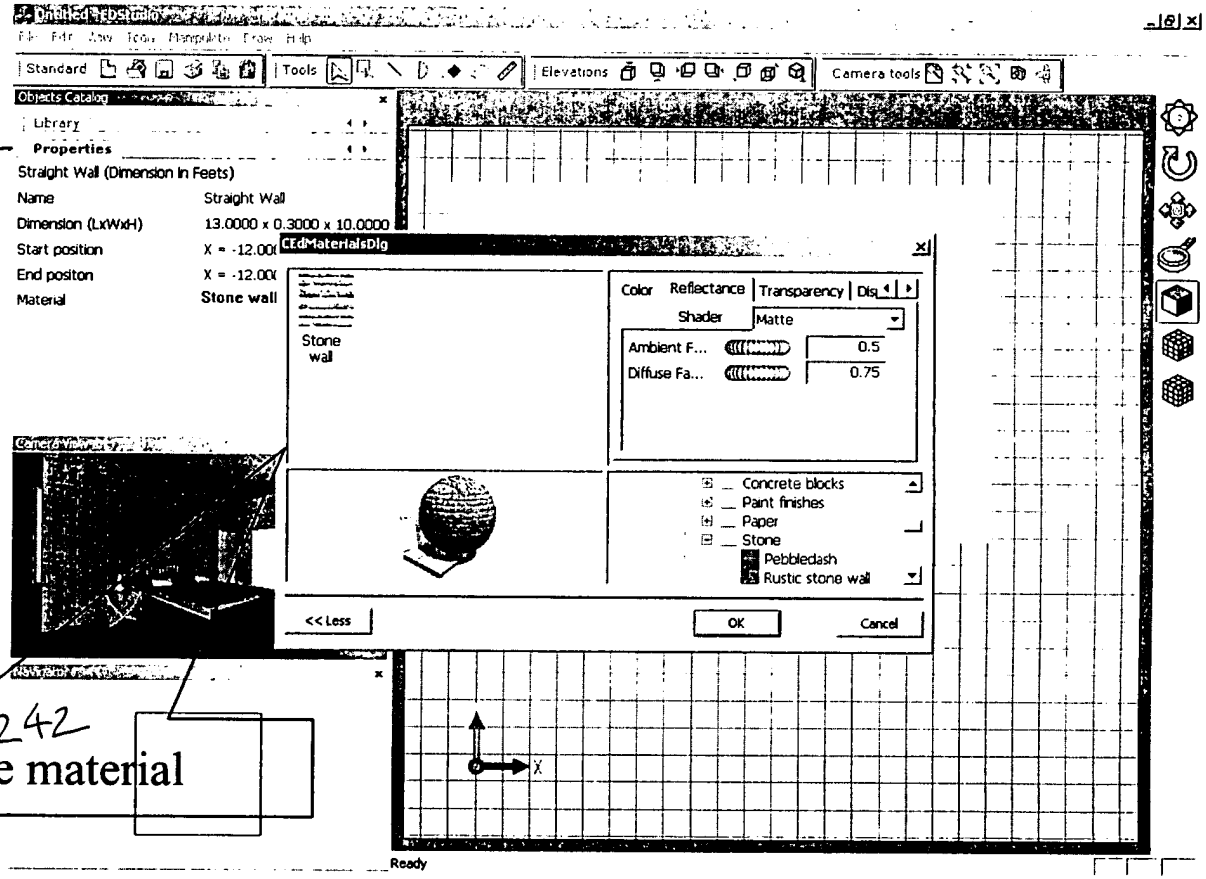


Fig.23

Dialog for selecting the material

Fig.24

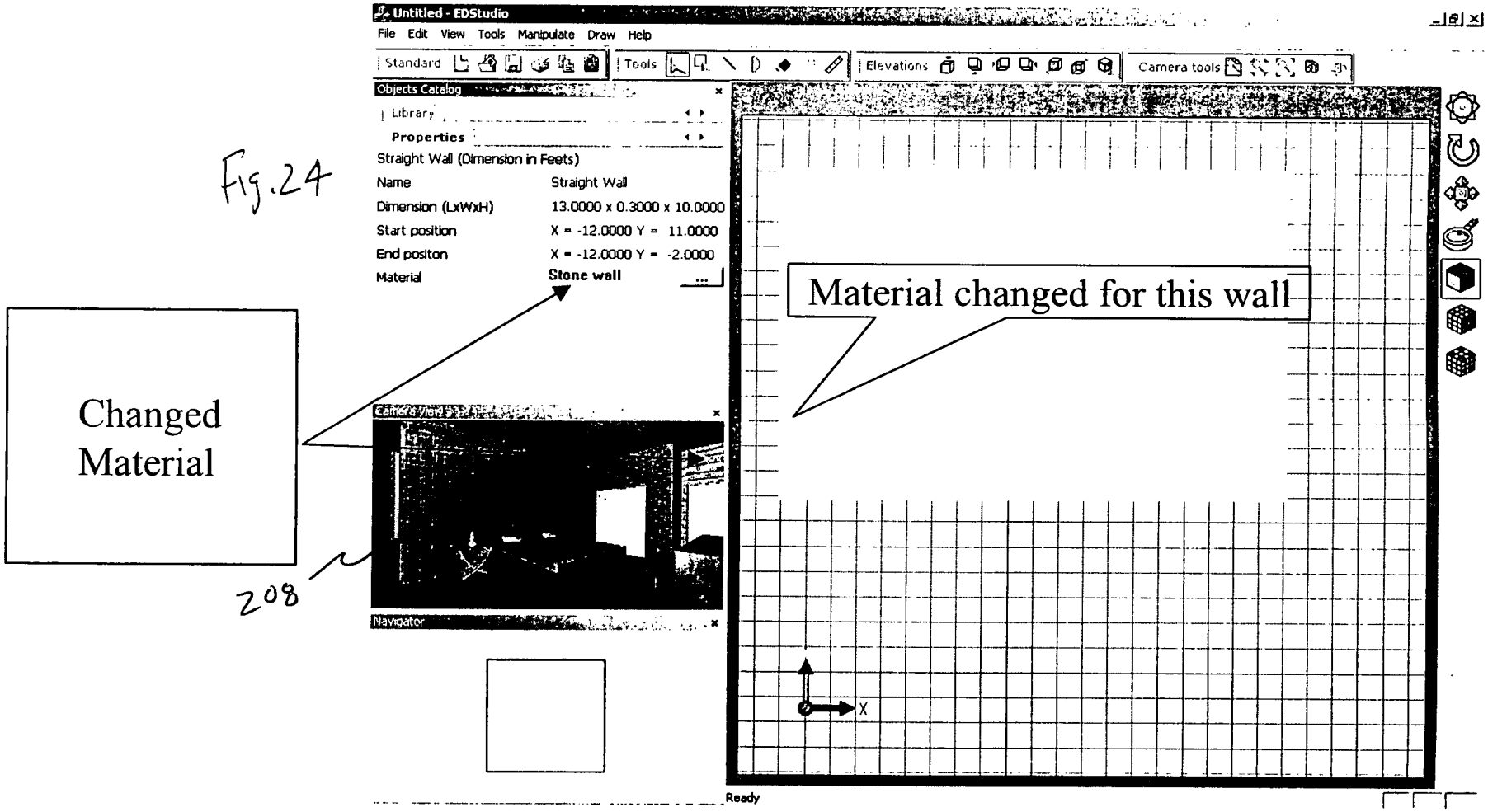
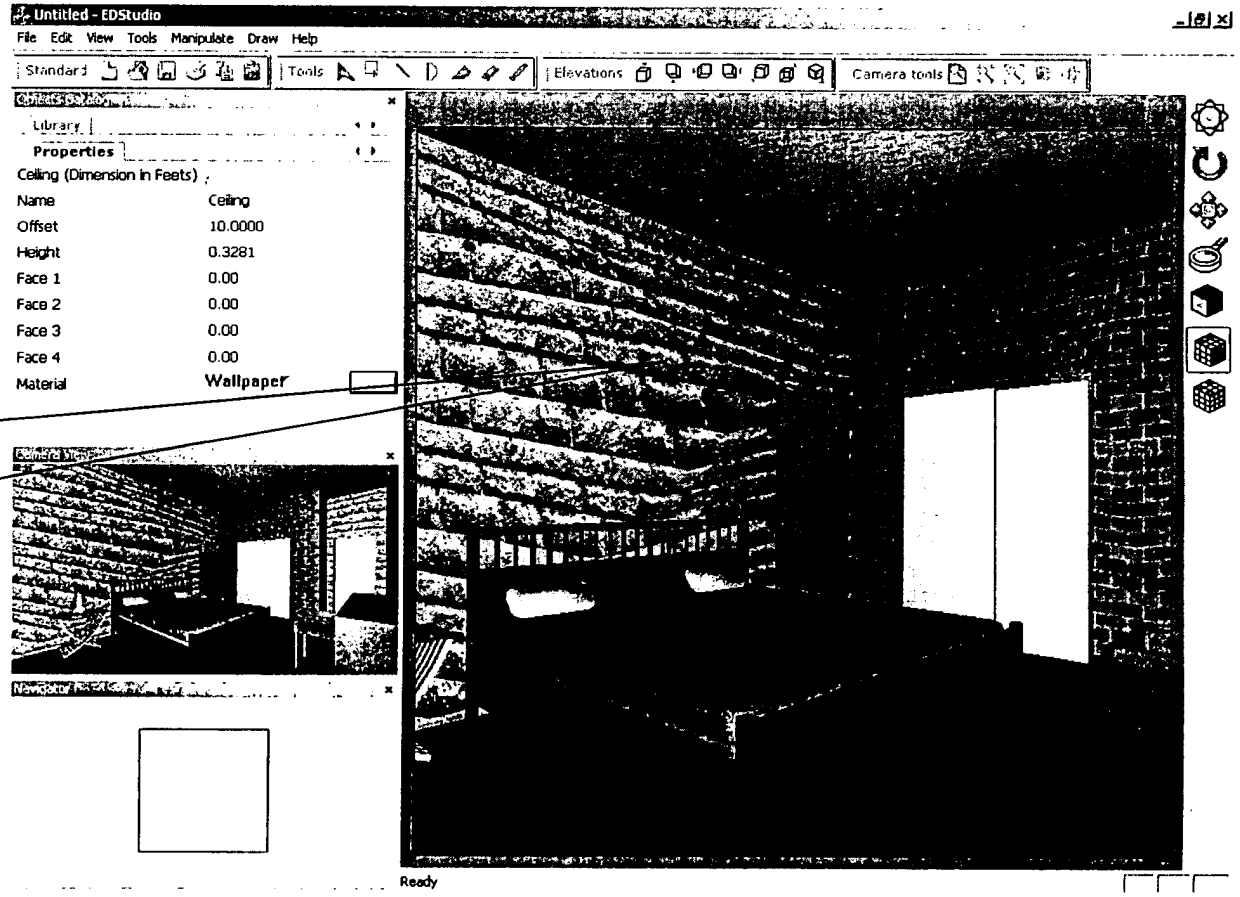

Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Objects Catalog
Library
Properties
Straight Wall (Dimension in Feets)
Name Straight Wall
Dimension (LxWxH) 13.0000 x 0.3000 x 10.0000
Start position X = -12.0000 Y = 11.0000
End positon X = -12.0000 Y = -2.0000
Material Stone wall
Material changed for this wall
Changed Material
208
Camera View
Navigator
X
Ready

Fig. 25



Low rendered view / preview 244

Fig. 26

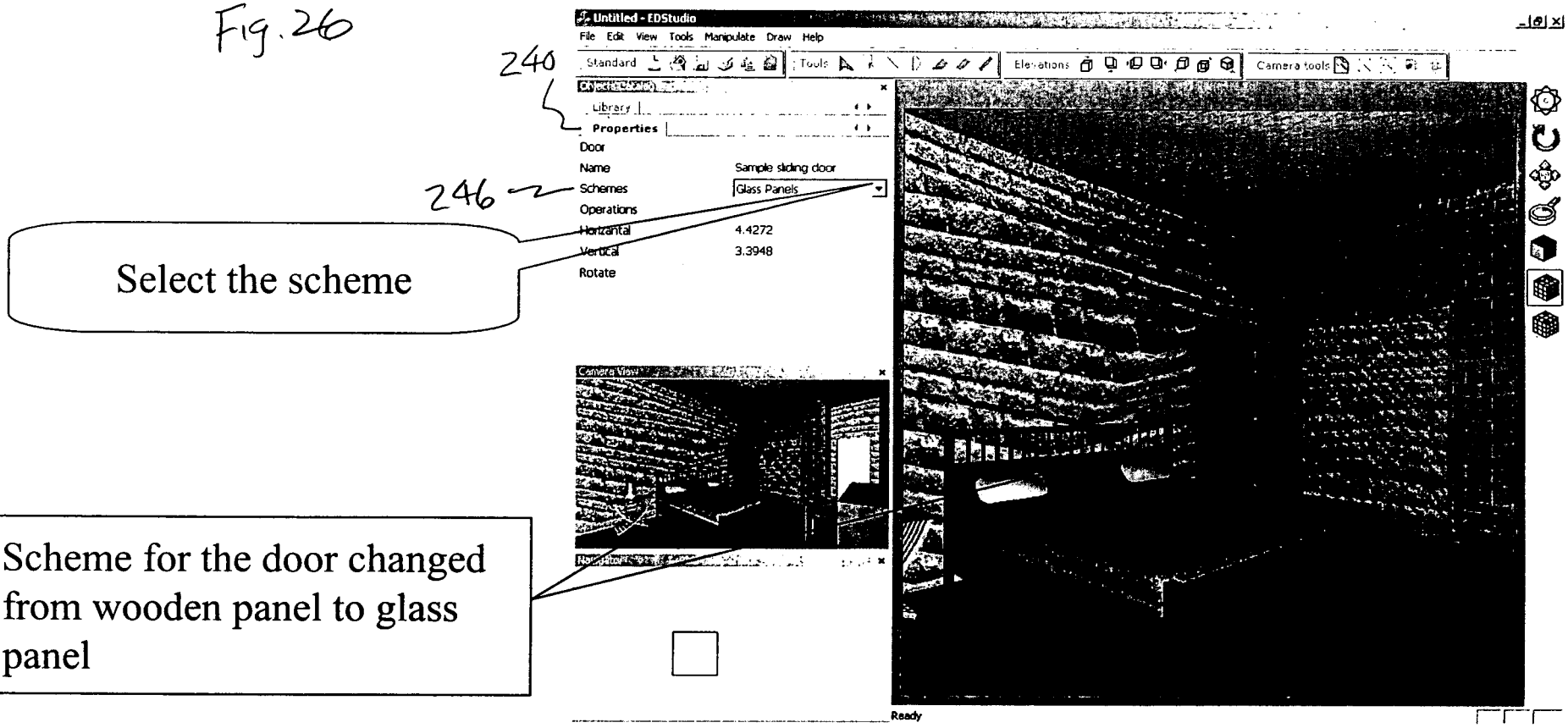
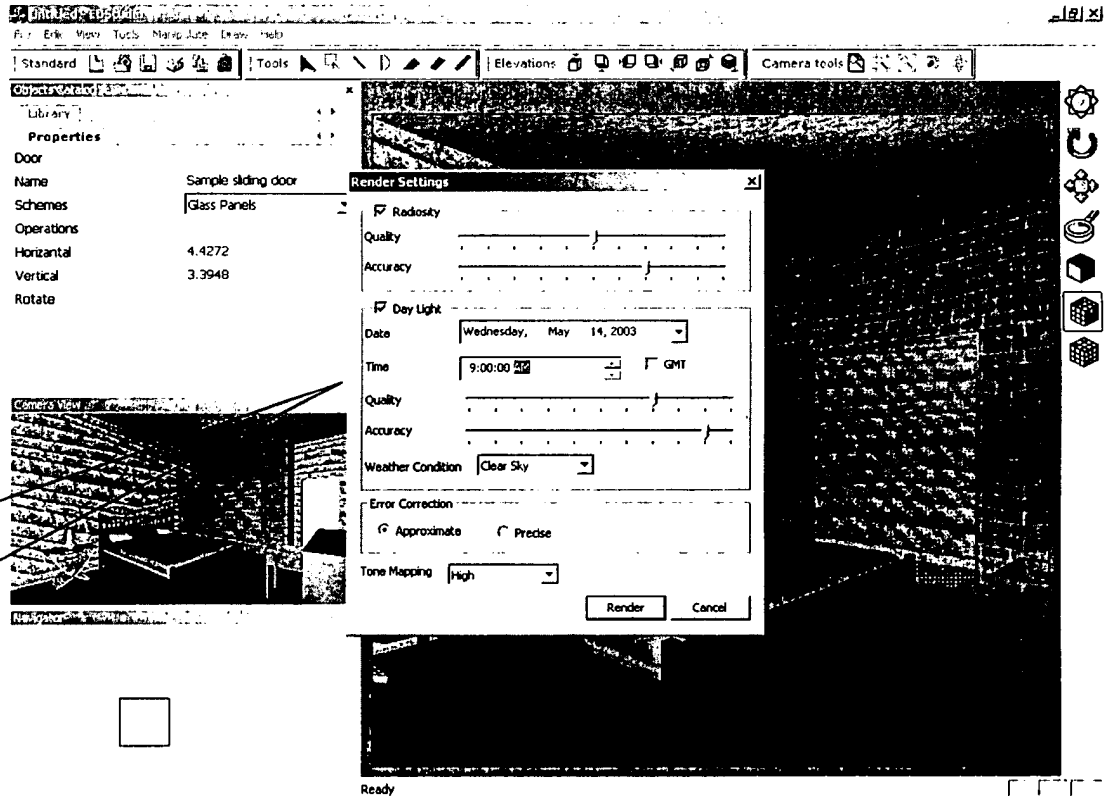

Untitled - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
240
Library
Properties
Door
Name
Sample sliding door
246
Schemes
Glass Panels
Operations
Horizontal
4.4272
Vertical
3.3948
Rotate
Camera View
Ready
Select the scheme
Scheme for the door changed from wooden panel to glass panel

Fig. 27



248

Set the day time and other options for rendering

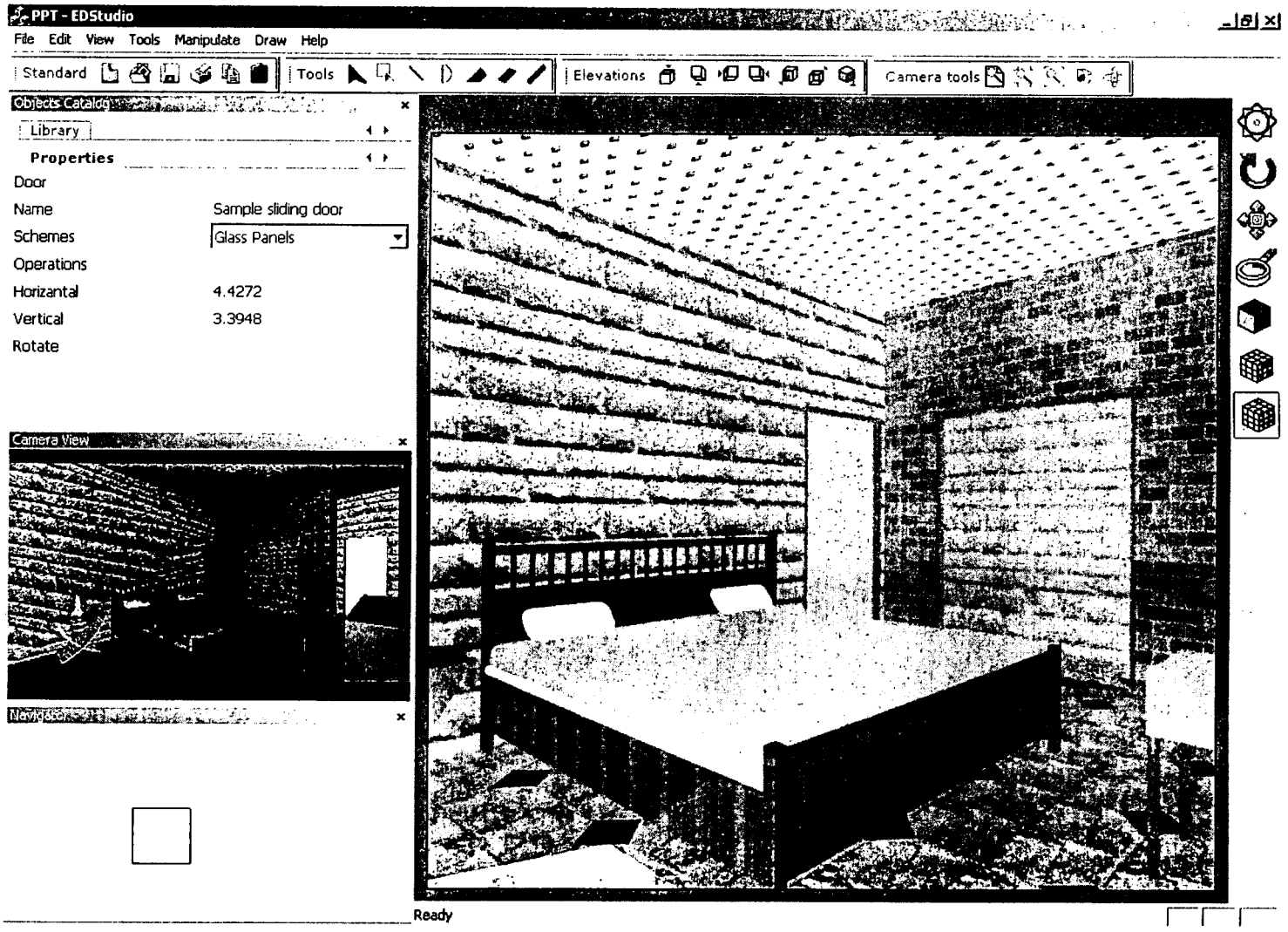

PPT - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Objects Catalog
Library
Properties
Door
Name
Sample sliding door
Schemes
Glass Panels
Operations
Horizantal
4.4272
Vertical
3.3948
Rotate
Camera View
Ready

Fig. 28

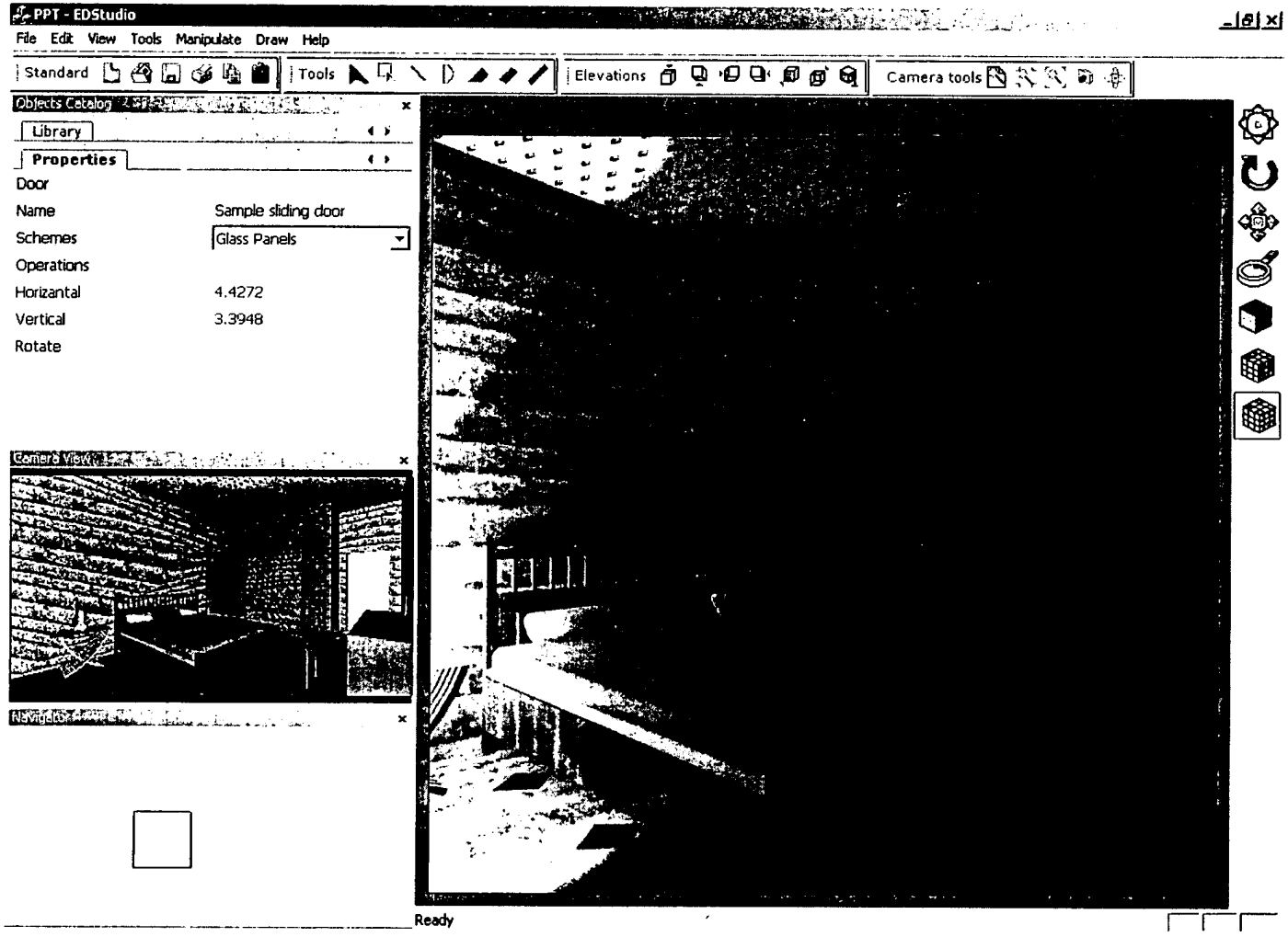

PPT - EDStudio
File Edit View Tools Manipulate Draw Help
Standard
Tools
Elevations
Camera tools
Objects Catalog
Library
Properties
Door
Name
Sample sliding door
Schemes
Glass Panels
Operations
Horizantal
4.4272
Vertical
3.3948
Rotate
Camera View
Navigator
Ready

Fig. 29